



(12) **United States Patent**  
**Glickman**

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(54) **HIGH-EFFICIENCY BODY-ON-FRAME AIR DEFLECTOR SEALING SYSTEM**

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(57) **ABSTRACT**

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(51) **Int. Cl.**  
**B60K 11/08** (2006.01)

An airflow sealing system for a body-on-frame vehicle includes at least one flexible interface configured to control airflow between a vehicle body-mounted cooling pack assembly and a vehicle chassis-mounted air intake assembly. The chassis-mounted air intake assembly may be a lower air scoop/deflector. The at least one flexible interface includes a first end attached to a portion of the chassis-mounted air intake assembly and a second end slidably contacting a portion of the body-mounted cooling pack assembly. The second end may be slidably biased against a sealing plenum associated with the body-mounted cooling pack assembly. The at least one flexible interface may define a wiper seal between the body-mounted cooling pack assembly and the chassis-mounted air intake assembly. Chassis-mounted air intake assemblies and body-on-frame vehicles including the airflow sealing system are provided.

(52) **U.S. Cl.**  
CPC ..... **B60K 11/08** (2013.01)

(58) **Field of Classification Search**  
None  
See application file for complete search history.

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**16 Claims, 6 Drawing Sheets**

